

AccuPulse[®] Service CLEC Information Package

1. Service Description

A. Basic Service Features

AccuPulse[®] is the BellSouth registered trade mark for Public Switched Digital Service (PSDS). AccuPulse[®] service is a transparent, circuit switched network service for the transport of customer information through end-to-end digital networks. The service operates at a basic transmission rate of 56 kilobits-per-second, with lower speeds accommodated by customer equipment. Sixty-four (64) kilobits-per-second transmission can be supported on an intra-switch basis.

BellSouth utilizes the Northern Telecom DATAPATH feature on DMS 100 and 100/200 central office switches as the service vehicle for AccuPulse[®] service. An AccuPulse[®] service remote capability provides service to customers who are served by central offices other than an AccuPulse[®] service host central office and who are located within 18 kilofeet of their serving wire center.

B. Basic Service Capabilities and Restrictions

AccuPulse[®] service provides the following:

- *Circuit switched service.*
- *Fully digital end-to-end data transport.*
- *Protocol transparency.*
- *Support for asynchronous and synchronous transmission.*
- *Improved error performance as compared to analog services.*
- *Access for intraLATA and interLATA transport within and outside the BellSouth Region.*
- *Full inter-operability with all versions of public switched digital service utilized throughout North America.*
- *Bit rate capabilities from 300 bps up to and including 56 Kbps (64 Kbps on an intra-switch basis) when communicating with another PSDS station, based on customer premises equipment capability.*

AccuPulse[®] service has the following limitations:

- *distance limitations as determined by Network via the Service Inquiry Form, maximum of 18 kilofeet.*
- *Limited to data transmission only, no voice traffic.*
- *Local loop must be unloaded*
- *Served only out of DMS 100 and DMS 100/200 central office switches.*
- *Touch Tone service required.*
- *Suspension of service is not allowed.*

- One month minimum service period.
- Usage sensitive service only.
- No dual service is allowed.
- Service outage credit procedures are covered in Section A-2 of the GSST.
- Regular Grouping Service (Hunting) only.
- Custom Calling Features not available with remote capability.

AccuPulse[®] service utilizes a Northern Telecom proprietary protocol, T-Link, to support data transmission. It allows end-to-end transmission at a rate of 1200 bps to 56 Kbps in a synchronous mode or 300 bps to 19.2 Kbps in an asynchronous mode. The protocol establishes data circuit parameters prior to actual data transfer and is completely transparent to the user. ISDN circuit switched data is compatible with public switched digital service provided the T-Link protocol is in place and utilized for the transmission.

AccuPulse[®] service can be configured in the following modes:

1. "Baseband" or standard service is for those customers who are within the distance limitations of the local loop transmission parameters. The maximum allowable local loop transmission loss is 32db at 80 KHz. This translates to a distance of approximately 14 Kft for satisfactory 56 Kbps transmission rates. AccuPulse[®] service is not compatible with SLC 96 Series 5 arrangements.
2. "Remote Capability" extends the AccuPulse[®] service host office capabilities to adjacent wire centers via channel bank and Subscriber Line Carrier (SLC) technology. The customer is charged for interoffice mileage between the host office and the customer's local serving office. Local loop parameters are determined between the serving office and the customer premise.
3. "4-wire" access utilizes a four-wire non-loaded facility to connect the customer premises to the AccuPulse[®] service switching equipment and is routed through approved test equipment for remote testing. This arrangement extends the loop range the circuit can be extended. This capability is tariffed in Georgia and North Carolina only.

C. How the Service Works

Each AccuPulse[®] access line is designated a telephone number. In order to send data from location A to location B, location A dials location B's designated number. Once the connection is established, the two locations can transmit data at speeds up to 56 kilobits per second. (The customer provided premise equipment determines at what bit rate the transmission occurs.)

A network call between locations A and B will be billed to location A at one rate for the initial minute and at a lower rate for any subsequent minutes. Time-of-day discounts for evening and night calls may apply. The same rates are applicable whether locations A and B are served by the same central office or by two central offices within the same local calling area. IntraLATA toll charges apply in addition if the two central offices are in different local calling areas. Once the transmission is complete, location A and/or location B may dial another AccuPulse[®] served location and place other network calls.

The AccuPulse[®] service remote capability enables customers who are served by an office other than an AccuPulse[®] service equipped office and who are located within 18 kilofeet of that office to subscribe to the service. The remote access is accomplished by using a

channel on a T1 carrier to transport digital data information from the customer's serving central office back to the AccuPulse[®] service equipped central office.

- D. The AccuPulse[®] service remote capability is available within the a LATA for intraexchange Foreign Central Office, Interexchange within a single Revenue Accounting Office (RAO), and Interexchange crossing RAO boundaries.

E. Feature Interaction

Touch Tone service required for 2-wire service signaling.
Custom Calling features not available with remote capability.

2. Tariff References

AccuPulse[®] 2-wire service is tarified in all nine states within the BellSouth region. The AccuPulse[®] tariff is found in Section A-29 of the General Subscriber Tariff (GSST).
AccuPulse[®] 4-wire service is tarified only in North Carolina and Georgia (GSST, Section A-29).

3. Installation Intervals

Normal Installation Intervals: YES _____ NO X

Project Coordination Required: YES _____ NO X

4. Service Inquiry and Ordering Guidelines

The ICS Account Team will serve as the single point of contact for the resale of AccuPulse[®] Service. The following documents should be forwarded to your ICS Account Team: AccuPulse[®] Service Resale Service Request, End User Information, and Local Service Request Forms.

Service Order, Network & Billing Process Flows

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Service: AccuPulse[®]

Assumptions:

- Single point of contact for resale is the ICS Account Team.
- Account Team will obtain resale certification documentation and other pertinent information from the CLEC and pass the order to the appropriate BBS Customer Outsource Center (e.g. BellSouth Service Account Center (BSAC)).
- This flow applies to N orders, D orders, and Switch As Is (SAI) orders.
- SAI orders will be issued as D, N, and C orders.
- A manual Service Inquiry is required for AccuPulse[®] service and is initiated by the Account Team.
- The Account Team and BBS Customer Outsource Center (e.g. BSAC) require training on the LSR and Resell forms in order to issue orders on the standard ordering document.
- Mileage calculation is necessary for AccuPulse[®] Remote Capability and is determined by the Account Team using the appropriate mileage tool.
- The handoff between the Account Team and the BBS Customer Outsource Center (e.g. BSAC) has yet to be determined. It is assumed that this handoff will be accomplished via facsimile.

AccuPulse® Process Flow

AccuPulse® Service Order Flow

1. CLEC calls ICS Account Team to order service.
2. Account Team obtains certification information.
3. Account Team obtains basic service request information from CLEC for location address, service parameters, and other relevant account information.
4. Account Team logs request from CLEC.
5. Account Team Service Consultant (SC) calculates mileage, if appropriate.
6. Account Team Service Consultant (SC) prepares Service Inquiry for facility availability.
7. Account Team SC receives response from manual Service Inquiry process for critical dates to obtain Firm Order Commitment (FOC).
8. Account Team prepares appropriate ordering document.
9. Account Team SC sends FOC to Account Team as information for customer log.
10. Account Team notifies (via fax/call) CLEC of due date.
11. Account Team SC sends service request information, including FOC, to the BBS Customer Outsource Center (e.g. BSAC) for order issuance.
12. BBS Customer Outsource Center (e.g. BSAC) issues appropriate order(s).

Process Flow

Network/Billing Flow

1. CSA types order into order entry system.
2. Order flows to SOCS.
3. Order flows to Assignments (LFACS).
4. Order flows to Engineering.
5. Order is provisioned and completed.
6. Order posts in CRIS and CSR is created.
7. Bill is generated.

AccuPulse[®] Service Resale Service Request Form¹

¹(Attach Standard End User Information and Local Service Request Forms)

AccuPulse[®] Service Access Line:

Quantity

☐

AccuPulse[®] Service 2-Wire Access Line

☐

AccuPulse[®] Service 4-Wire Access Line²
²(NC and GA only)

Interexchange Carrier Selection:

PIC _____

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Version 1 - March, 1997

Area Plus[®]
Area Plus[®] with Complete ChoiceSM
Complete ChoiceSM
INFORMATION PACKAGE

(This information is provided solely as a convenient reference for BellSouth's customers. BellSouth believes information contained herein to be consistent with applicable tariffs the shall prevail in any instance in which an inconsistency may exist.)

**Area Plus®
Area Plus® with Complete ChoiceSM
Complete ChoiceSM
INFORMATION PACKAGE**

1. Service Description

- A. Basic Service Feature - Area Plus® (GSST Section A3)
 Area Plus® with Complete ChoiceSM (GSST Section A3)
 Complete ChoiceSM (GSST Section A3)

B. Basic Service Capabilities - The three services: Area Plus, Area Plus with Complete Choice and Complete Choice comprise Consumer Services multiproduct offering for the residential marketplace. They are designed to meet residential customer's need for expanded local calling and higher value added services functionality.

Area Plus includes a local flat rate residential line with unlimited calling in an expanded calling area. The expanded calling area is state specific. Touchtone service is included in the telephone service. It will be important to review each state tariff concerning specifics about a state's Area Plus local calling scope.

Subscribers to Area Plus in Georgia, Florida, Kentucky and Tennessee receive a 30% automatic discount on rates specified in Tariff A18.3. This discount applies to BellSouth covered customer dialed sent paid intraLATA/IntraState toll calls originated from the subscriber's service; to covered 0+ Calling Card calls including Operator surcharges, 0+ collect calls accepted by the Area Plus subscriber including the Operator Surcharge. See Tariff A3.2 and A18.3 for specific details.

Complete Choice includes a local flat rate residential line and the customer's choice of calling features: Call Waiting, Caller ID, Anonymous Call Rejection, Call Return, Three Party Calling, Flexible Call Forwarding, Call Forwarding, Call Waiting Deluxe, Caller ID Deluxe, Message Waiting Indication, Call Forwarding Don't Answer, Call Forwarding Busy Line Block, Repeat Dialing, RingMaster Service, Call Tracing, Speed Calling, Preferred Call Forwarding, Call Selector, Remote Access to Call Forwarding and Customized Code Restriction. Touchtone service is included in the telephone service.

Complete Choice is different in North Carolina because of the new mandatory statewide expanded calling plan. Complete Choice will have a 40 mile calling scope that includes the flat rate basic serving area (BSA) and an expanded serving area (ESA) that is usage sensitive. Calls terminating in the ESA will be billed usage.

Area Plus with Complete Choice combines Area Plus and Complete Choice into a premium flat rate local telephone service with the customer's unlimited choice of compatible value-added services. Touchtone service is included in the telephone service. The calling scope for Area Plus with Complete Choice will be the same as for Area Plus. See the appropriate state tariff concerning specifics about the state Area Plus with Complete Choice local calling scope.

Subscribers to Area Plus with Complete Choice in Georgia, Florida, Kentucky and Tennessee receive a 30% automatic discount on rates specified in Tariff A18.3. This discount applies to BellSouth covered customer dialed sent paid intraLATA/IntraState toll calls originated from the subscriber's service; to covered 0+ Calling Card calls including Operator surcharges, and on 0+ collect calls accepted by the Area Plus subscriber including the Operator Surcharges. See Tariff A3.2 and A18.3 for specific details.

2. Tariff References

NRC (non-recurring charge): Service charges specified in A4 are applicable for the installation of new lines at the subscriber's premises. These charges are not applicable for subscribers who wish to convert an existing line to Area Plus, Area Plus with Complete Choice or Complete Choice.

3. Installation Intervals:

Normal Installation Intervals
Project Coordination Required

Yes ☒ No ☐
Yes ☐ No ☒

4. Service Inquiry & Ordering Guidelines:

Following are the forms required to be submitted to the LCSC for order issuance:

- Local Service Request Form
- End User Information Form
- Resale Service Form

Copies of the forms with line-by-line instructions are located in the Resale Ordering Guide

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**ISDN BASIC RATE INTERFACE (BRI)
CLEC INFORMATION PACKAGE**

1. MARKET SERVICE DESCRIPTION

A. Basic Service Functions

BellSouth offers ISDN Basic Rate Interface (BRI) for businesses and consumers: ISDN Business Service (IBS) and ISDN Residence Service (IRS). BRI is a digital service providing two 64 Kbps B channels which transmit digital voice, video and/or data; and one D channel which provides signaling for the service and supports 9.6 Kbps customer packet switched data.

B. Basic Service Capabilities

ISDN BRI supports national standard ISDN capability packages. BellSouth is currently implementing a new tariff structure for BRI. The new tariffs offer a threshold pricing plan and four new national standard feature packages designed to meet the specific needs of customers wanting to use ISDN service for Internet access and Work at Home (WAH). The four feature packages are:

EZ-1	Internet Access
EZ-1A	Internet Access w/ voice messaging
EZ-2	Work At Home
EZ-2A	Work At Home w/ voice messaging

The threshold arrangement provides a fixed monthly local usage allowance for originating traffic and then applies charges to usage above the threshold. The monthly usage allowances are:

IBS - 320 hours

IRS - 200 hours

Usage over the threshold for both services will be charged for at the rate of \$.01 per minute.

When a customer's normal serving central office is not equipped to provide BRI service, the customer may be served, at the company's option, from designated alternate equipped central offices at no additional charge. This is referred to as an Alternate Network Serving Arrangement (ANSA). BRI service customers to be served under an ANSA must sign an agreement that the service will be moved back to the normal serving central office and probably will have a number change when/if that office is equipped with ISDN.

2. TARIFF REFERENCES/PRICE LIST REFERENCES

GSST A42.1 - Individual Line Business

GSST A42.2 - Individual Line Residence

ISDN Basic Rate Interface (Please select from one of the three following options):

1) Single Line ISDN:

- ☐ ISDN Business Service (IBS)
☐ ISDN Residence Service (IRS)

Quantity of Circuits (DSL Pipes) _____

Available options for Single Line ISDN [Please check appropriate request(s)]:

- ☐ Package EZ1 ☐ Package EZ2 ☐ Capability Package S
☐ Package EZ1A ☐ Package EZ2A

If the above options do not meet your needs, please describe other Single Line ISDN option below:

☐ **2) Basic Rate ISDN associated with MultiServ:**

Quantity of Circuits (DSL Pipes) _____ (Note - please see also form for Resale of MultiServ Service)

☐ **3) Basic Rate ISDN associated with ESSX:**

Quantity of Circuits (DSL Pipes) _____ (Note - please see also form for Resale of ESSX Service)

ISDN Primary Rate Interface (Please select from one of the following two options):

☐ **1) ISDN PRI (PATHLINK):**

Quantity of Pipes _____

☐ **2) MegaLink ISDN:**

Quantity of Pipes _____

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**ISDN PRIMARY RATE INTERFACE (PRI)
CLEC INFORMATION PACKAGE**

1. MARKET SERVICE DESCRIPTION

A. Basic Service Functions

BellSouth offers ISDN Primary Rate Interface (PRI) to business customers. ISDN PRI is a digital service which consists of a DS1-based Access Line, a primary rate interface, twenty-three 64 Kbps bearer (B) channels, and one 64 Kbps data (D) Channel for signaling. The B channels each support 64 Kbps digital transmission for voice, video and/or data. The D channel supports the out-of-band signaling for the service and packet switched data transport at 9.6 Kbps. Calling Number Delivery, Called Number Delivery and Hunting functionality are inherent to this service.

ISDN PRI (PATHLINKSM) service has replaced MegaLink ISDN. MegaLink[®] ISDN service provides simultaneous transmission of voice and data on the same digital exchange access line. The basic rate structure consists of a 1.544 Mbps Access Line, a Primary Rate Interface, twenty-three 64 Kbps bearer channels, and one 64 Kbps D-Channel for signaling. Typically, MegaLink[®] ISDN is used to connect ISDN capable PBXs or other ISDN capable CPE to ISDN capable central offices.

Rate elements for this service are: Primary Rate Access Line, Interoffice Channels, Primary Rate Interface, Primary Rate B-Channels, Call-By-Call/Integrated Service Access Feature Capability, and an optional Incoming Call Identification feature. This service is located in Section B7.5 of the Private Line Service Tariff. Network Access Service as specified in Section A3 of the GSST also applies for access to the public switched network. Other services, e.g., Hunting, Direct Inward Dialing, etc., are also available at rates and charges specified in other sections of the tariff.

Current MegaLink ISDN customers are grandfathered.

B. Basic Service Capabilities

ISDN PRI service is currently available in two versions: 1) Voice/Data and 2) Digital Data Only. The Voice/Data option allows transmission of voice, digital and analog data, and video. The Digital Data Only (DDO) option allows transmission of digital data calls only. (Analog modem calls will not terminate on a DDO option.) BellSouth is currently developing an Inward Only Data option which will support inward only digital and analog data calls. When a customer's normal serving central office is not equipped to provide PRI service, the customer may be served, at BellSouth's option, from designated alternate equipped central office at no additional charge. This is referred to as Alternate Network Serving Arrangement (ANSA). ISDN PRI service customers to be served under this arrangement must sign an agreement that the service will be moved back to the normal serving central office and probably will have a number change when/if that office is equipped with ISDN.

ISL. Basic Rate Interface (Please select from one of the three following options):

1) Single Line ISDN:

- ☐ ISDN Business Service (IBS)
☐ ISDN Residence Service (IRS)

Quantity of Circuits (DSL Pipes) _____

Available options for Single Line ISDN [Please check appropriate request(s)]:

- ☐ Package EZ1 ☐ Package EZ2 ☐ Capability Package S
☐ Package EZ1A ☐ Package EZ2A

If the above options do not meet your needs, please describe other Single Line ISDN option below:

☐ **2) Basic Rate ISDN associated with MultiServ:**

Quantity of Circuits (DSL Pipes) _____ (Note - please see also form for Resale of MultiServ Service)

☐ **3) Basic Rate ISDN associated with ESSX:**

Quantity of Circuits (DSL Pipes) _____ (Note - please see also form for Resale of ESSX Service)

ISDN Primary Rate Interface (Please select from one of the following two options):

☐ **1) ISDN PRI (PATHLINK):**

Quantity of Pipes _____

☐ **2) MegaLink ISDN:**

Quantity of Pipes _____